



Iowa DOT - SAVER

Help Documentation
for the IOWA DOT
SAVER Application

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Select- Includes tools for map selection

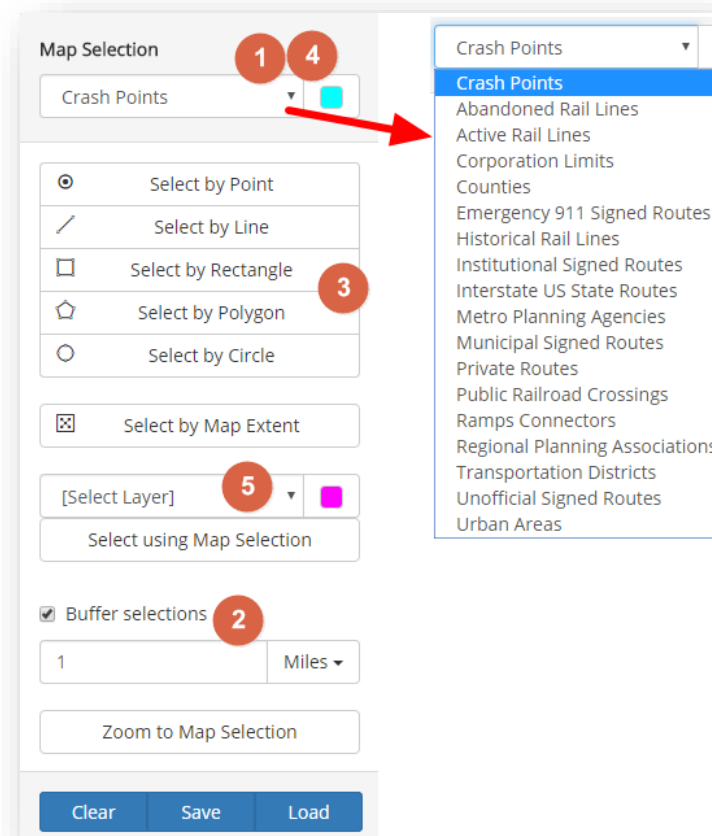
The select tools provide the ability to spatially select crash data points with drawn features.

1. Click the select icon to invoke the selection menu.



Select Target Layer and Select by Layer

Please Note: Select Target Layer and Select by Layer function is ONLY available when in Advanced Mode.



1. Choose a type of selection from the map selection drop down menu.

2. Check the box for buffer selections and input a buffer distance and unit of measurement.

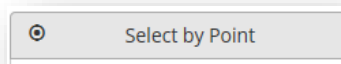
3. Choose the type of selection method to use (Point, Line, Rectangle, Polygon, Circle, or Map Extent). Draw/place the selection on the map.

4. Return to the Map Selection drop down menu and select a secondary mode of selection.

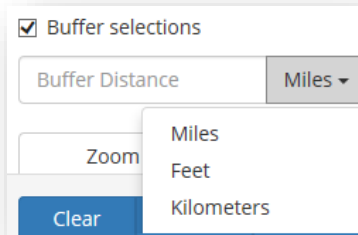
5. Select a layer from the Select Layer drop down menu. Click the 'Select Using Map Selection' button.

Select Point - Tool to make map selection with a single point

1. Choose the 'Select by Point' option.



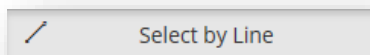
2. Check the '**Buffer selections box.**'
3. Input a buffer distance. Unit of measurement may be changed from miles to feet, kilometers, or meters.



4. Select a single, or multiple single, point(s) on the map by clicking a point. System provides data points on the map that match the selection.

Select Line- Tool to make map selection with a line

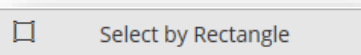
1. Click the '**Select by Line**' button.



2. Check the '**Buffer selections box.**'
3. Input a buffer distance. User may change unit of measurement from miles to feet, kilometers, or meters.
4. Click on map to indicate the starting point of line, click for any additional points on the line, and double click to complete the line selection.

Select Rectangle- Tool to make map selection with a rectangle

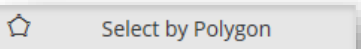
1. Click the '**Select by Rectangle**' option.



2. Click a single point on the map: the system highlights a square around the point, and provides data point results within that space.
3. Select a point on the map, click and drag to create a customized rectangle, release the mouse when you are done: the system provides data point results within that space.

Select Polygon- Tool to make map selection with a polygon

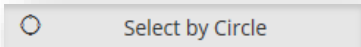
1. Choose the '**Select by Polygon**' option.



2. Draw a polygon by clicking for each point and double clicking to close the shape.

Select Circle- Tool to make map selection with a circle

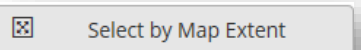
1. Choose the '**Select by Circle**' option.



2. Select a single point to click to generate a circle, or, click and drag to generate a custom circle size.

Select Extent- Tool to make map selection based on the current extent of the map

Choose the '**Select by Map Extent**' button. System displays only the data points that exist within that current view of the map.



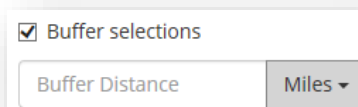
Select Buffer- Tool to add a user specified buffer distance to map selections

Check the '**Buffer selections box.**'



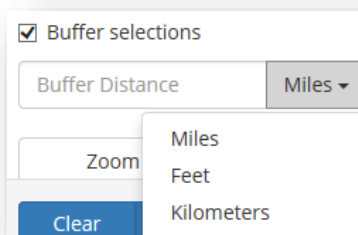
Select Buffer Distance- Tool to provide the user the ability to input a specific buffer distance

1. Check the '**Buffer selections box.**'
2. Input a buffer distance. User may change unit of measurement from miles to feet, kilometers, or meters.



Select Buffer Units- Tool to specify the unit of measurement of the input buffer distance

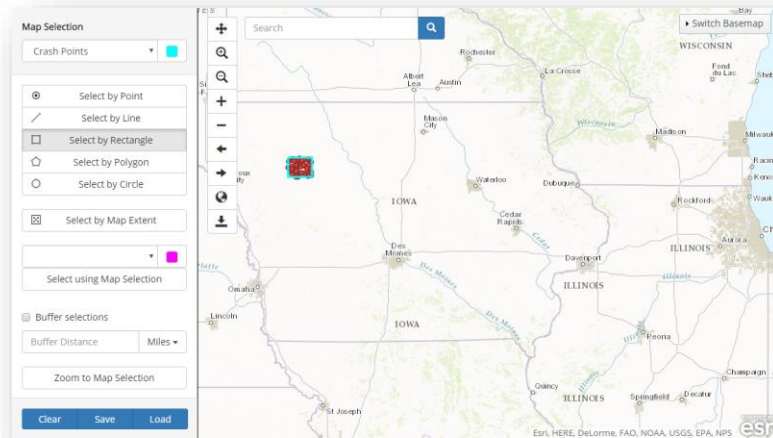
1. Check the '**Buffer selections box.**'
2. Input a buffer distance.
3. Click on the Unit scroll down menu. Choose a buffer distance unit of measurement from miles, feet, kilometers, or meters.



4. Click on the desired unit of measurement.

Zoom to Map Selection- Tool that allows the user to zoom to the extent of the selections

1. Utilize any selection tool to select data results.



2. Click the Zoom to Map Selections button.

Zoom to Map Selection

3. Map view will be adjusted to display the selected data results.

Select Clear- Tool to clear the previously input selections.

Choose the '**Clear Map Selection**' button. Selection on map is cleared, map and data points return to default.

Clear Save Load

Select Save- Tool to save the selections already made

Choose the '**Save**' button. Enter a File name and select Save.

Clear Save Load

Select Load- Tool to load a previously saved selection

1. Select the '**Load**' button. The Load Map Selection window will open.

2. Select the Choose File button to browse for the desired file.
3. Select the file and press Open.
4. When returned to the Load Map Selection window, select 'OK.' The Selection file will be loaded in the map.



Markup- Includes tools for map markups

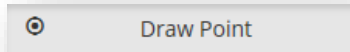
The markup tools provide the ability to draw features and place text on the map.

1. Select the map markup icon.

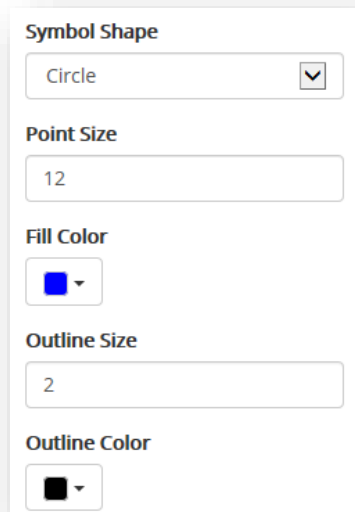


Markup Point- Tool to make a single point markup on the map

1. Select '**Draw Point.**'



2. Designate draw options (select symbol shape from drop down, Point size, Fill Color, Outline Size, and Outline Color).

A configuration dialog box titled "Symbol Shape". It contains several settings: "Symbol Shape" is a dropdown menu with "Circle" selected; "Point Size" is a text input field with "12"; "Fill Color" is a color picker with a blue square; "Outline Size" is a text input field with "2"; and "Outline Color" is a color picker with a black square.

Symbol Shape

Circle

Point Size

12

Fill Color

Outline Size

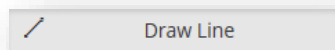
2

Outline Color

3. Click on a single point on the map.

Markup Line- Tool to make a line markup on the map

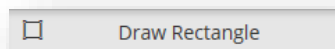
1. Select '**draw straight line.**'



2. Designate draw options (selects line size and line color).
3. Point and click to start a line, click again to add any subsequent points on the line, and double click on the line end point.

Markup Rectangle- Tool to make a rectangle markup on the map

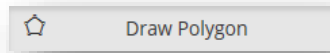
1. Select '**draw rectangle.**'



2. Designate draw options (check the box to 'Use Fill', Fill Color, Outline Size, and Outline Color).
3. Point, click, and drag to draw a rectangle.

Markup Polygon- Tool to make a polygon markup on the map

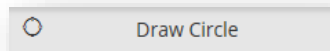
1. Select '**draw polygon.**'



2. Designate draw options (check the box to 'Use Fill', Fill Color, Outline Size, and Outline Color).
3. Click on one point to start drawing a polygon. Click on each polygon corner, and double click on the starting point to close the polygon.

Markup Circle- Tool to make a circle markup on the map

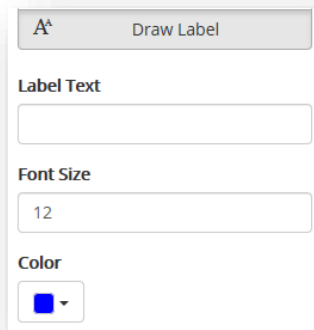
1. Select **draw circle.**



2. Designate draw options (check the box to 'Use Fill', Fill Color, Outline Size, and Outline Color).
3. Point, click, and drag to draw a circle.

Markup Label- Tool to add a text label to the map

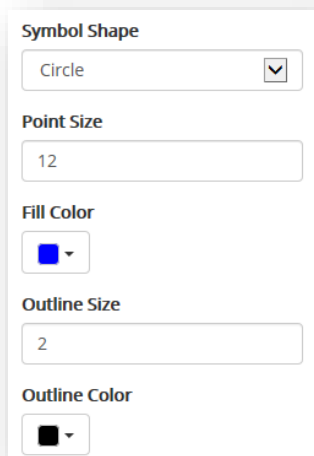
1. Select '**draw label.**'
2. Select the font size and color.
3. Input label text in the text box that is marked '**Label text.**'

A dialog box titled 'Draw Label' with a button 'A^' at the top left. It contains three sections: 'Label Text' with an empty text input field, 'Font Size' with a text input field containing '12', and 'Color' with a blue color selection button.

4. Point, click, and drag to create a line on the map indicating text placement.

Markup Fill Color- Tool to specify markup appearance

Designate draw options (check the box to 'Use Fill', Fill Color, Outline Size, and Outline Color). Draw options are invoked after markup type selection, and vary depending on the type of markup tool selected.

A dialog box titled 'Markup Fill Color' with several settings: 'Symbol Shape' is a dropdown menu showing 'Circle'; 'Point Size' is a text input field with '12'; 'Fill Color' is a blue color selection button; 'Outline Size' is a text input field with '2'; and 'Outline Color' is a black color selection button.

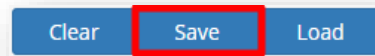
Markup Clear- Tool to clear the previously created markup

Choose the '**Clear**' button. The Markup on map is cleared, map and data points return to default.



Markup Save- Tool to save a markup

Choose the **'Save'** button. Enter a File name and select Save.



Markup Load- Tool to load a markup

1. Select the **'Load'** button. The Load Map Markup window will open.
2. Select the Choose File button to browse for the desired file.
3. Select the file and press Open.
4. When returned to the Load Map Markup window, select 'OK.' The Markup file will be loaded in the map.



Identify- Tool to identify selected features from activated map layers

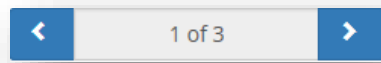
The identify tool allows the user to retrieve information on specific map locations that contain a crash data point, or within activated layers.

1. Select the identify icon.



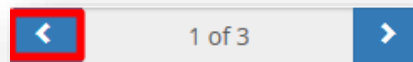
2. Click a point on the map to return information results (if any) on the selected location.

3. Utilize the forward and back arrows at the bottom of the identify panel to scroll through returned records.



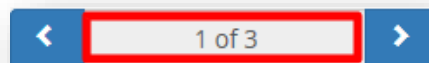
Identify Previous- Tool to navigate to the previous identify record

Click on the 'identify previous' button to scroll back through the results returned by the system.



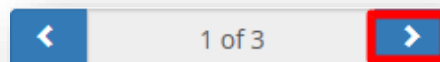
Identify Navigator- Tool that displays the current page number of the records being viewed

Displays the current record number, as well as the total number of records returned, for the user selected feature to identify.



Identify Next- Tool to navigate to the next identify record

Click on the identify next button to scroll forward through the results returned by the system.



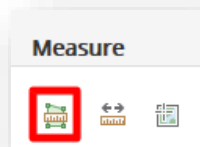
Measure- Includes tools for map measurement

This tool provides for measurement and location options.

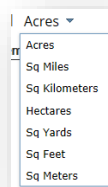
1. Select the measurement icon.



2. Choose the **area** icon.

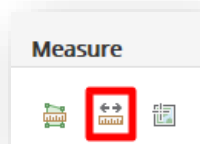


3. Select a unit of measurement from the drop down menu.

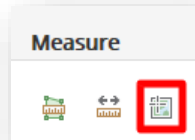


4. Select a starting point for measurement on map and click. Click each subsequent point, and double click on the final point to close the area polygon.

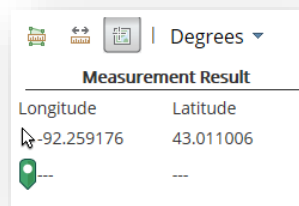
5. Click the **distance** icon.



6. Specify the unit of measurement.
7. Click on a starting point on the map to begin measuring distance.
8. Click on any subsequent points and double clicks to complete measurement.
9. Select the **location** icon.



10. Select Degrees, or DMS, from the scroll down menu.
11. Scroll over the map. The system returns the latitude and longitude for the location of the cursor as the user scrolls over the map.



12. Select a point on the map and click. System marks the point with a marker and displays the latitude and longitude of the point.

Pan- Tool to navigate the map view

1. Click the Pan Icon.



2. Click on the map and drag the cursor to move the map.

Zoom In- Tool to zoom in on the map view

1. Click the Zoom In button



OR

2. Select the Zoom In magnifying glass icon



3. Click and drag on the map display to indicate zoom in area. System zooms in according to User specifications.

Zoom Out- Tool to zoom out of the map view

1. Select the Zoom Out button located in the upper left hand corner of the map.



OR

2. Select the Zoom Out magnifying glass icon.



3. Click and drag on the map display to indicate zoom out area. System zooms out according to user specifications.

Zoom Previous- Tool to navigate back through previous map views

Select the zoom previous icon to revert the map back to the last zoom area.



Zoom Next- Tool to navigate forward through previous map views

Select the zoom next icon to advance to the next extent zoomed in/ out on.



Zoom Extent- Tool to return map view to default settings

Select the zoom to extent of map icon to revert the map view to user defined parameters or default.

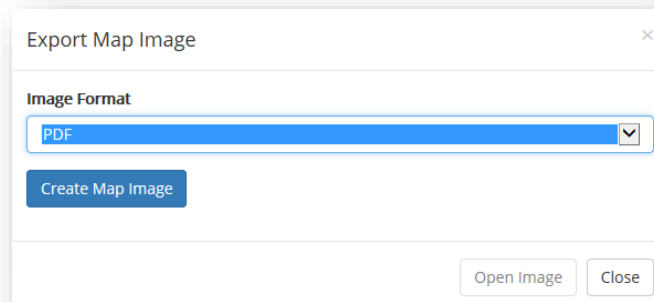


Export Map-Tool to save created maps in various file formats

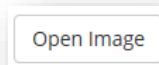
1. Utilize any method to return desired crash point data within the application.
2. Select the Export icon located on the toolbar on the map.



3. System will invoke an export window.
4. Select the file format that you wish to save the image as from the drop down menu.
5. Click on the Create Map Image button



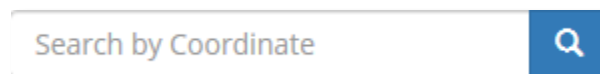
6. Select the Open Image button.



7. File will be opened in a new browser tab.
8. User can save or print the file by selecting the appropriate options from the File menu, or selecting the appropriate icons from the toolbar that appears over the image.

Search-Search for results based on user text input.

Currently this feature only supports Coordinate searches.

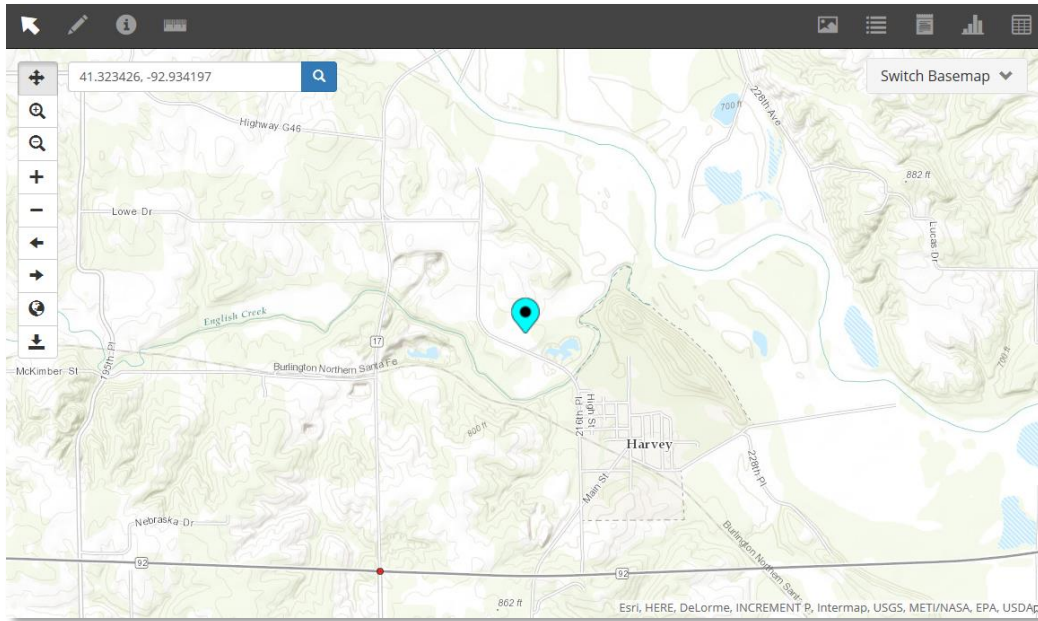


Enter coordinates in the Search text box.

Select the magnifying glass icon.



The application will zoom map to the selected coordinates, and place a marker on the coordinates.

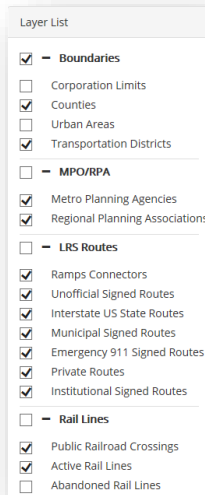


Layer List- Tool that allows for activation or deactivation of available map layers

1. Select the layers list icon.



2. Choose which layers to activate or inactivate from the following categories: Boundaries, Rail Lines, LRS Routes, and MPO/RPA (categories have subcategories to choose from as well).
3. Activate layers by checking their corresponding boxes.



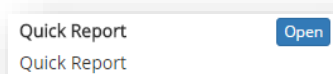
Reports- Generates reports containing information on selected crash data points.

Quick Report-

1. Utilize any method of finding or selecting desired crash data points.
2. Select the reports icon.



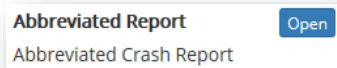
3. Select the 'Open' button located next to the 'Quick Report' heading.



4. A new browser tab will be opened containing a report listing detailed information on all crash data points selected by the user.

Abbreviated Report-

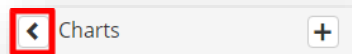
1. Utilize any method of finding or selecting desired crash data points.
2. Select the reports icon.
3. Select the 'Open' button located next to the 'Abbreviated Crash Report' heading.



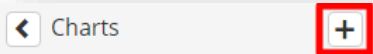
4. A new browser tab will be opened containing a report listing detailed information on all crash data points selected by the user.

Charts- Tool to display selected map data as a chart within the SAVER application

1. Utilize any method to refine and return data crash point results.
2. Click on the Chart icon to invoke the chart options window.
3. Select the '<' arrow to expand the charts display.



4. Select the '>' arrow to minimize the charts display.
5. Select the '+' icon to expand the 'add chart' menu.






6. Select the chart Topic from the drop down menu.
7. Select Chart type as Bar, Line, or Pie (Bar will be loaded by default).

Add Chart

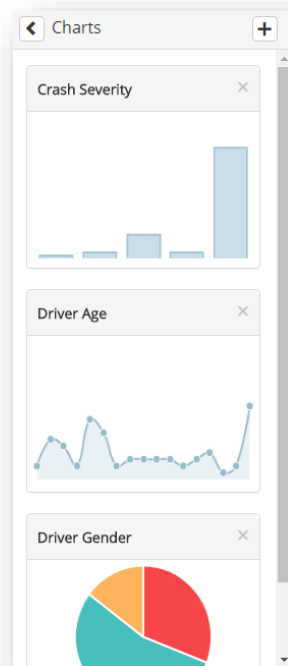
Chart Topic
[Select Topic] ▼

Chart Title

Chart Type

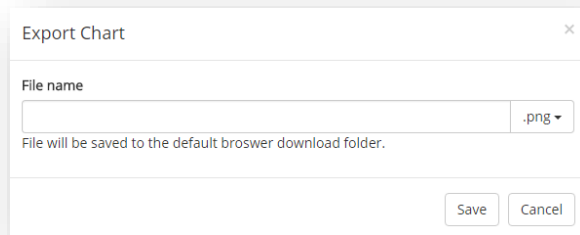
	Bar
	Line
	Pie

8. Select 'OK.' All charts created in this manner will be displayed in the Chart Options menu.



OR

9. Select 'export' chart: Enter title, select file type from the drop down menu, and select save.



OR

10. Select 'Cancel' to return to the add chart menu without saving changes.

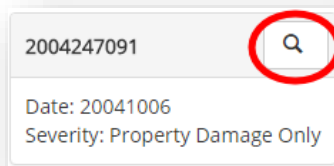
Table- Tool to locate and view specific crash data points

1. Utilize any method to select a portion of the map results to display.
2. Select the icon for the data visualization table:



The data table will be invoked and all crash numbers will be listed that occurred within the selected area/ parameters.

3. Select magnifying icon next to a crash entry record. The map will zoom/ pan to location of the specific accident data point on the map, which will be highlighted blue.



4. Hover the cursor over the crash data entry to highlight the data point in a large blue circle. The data point will be temporarily highlighted in blue.
5. Select the arrow for Crash Details. The window will be expanded to provide the user with detailed crash information on the selected crash data points.

Crash Details					
Case Number	Law Enforcement Case Number	Date	Time String	Day of Week	County
2004247091		20041006	20:59	Wednesday	Lyon
2007384136	07-002528	20070722	13:55	Sunday	Lyon
2010572026		20100510	11:30	Monday	Lyon
2010573196	10-001317	20100515	21:12	Saturday	Lyon
2014782740	14-000406	0	18:45	0	Lyon
2011646291	11-002868	20110822	05:07	Monday	Lyon
2009534604	09-003289	20091023	19:10	Friday	Lyon
2012708685	12-004158	20121020	22:00	Saturday	Lyon
2014800133	14-002147	0	17:00	0	Lyon

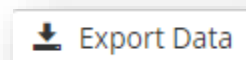
Crash Details

2004247091

Date: 20041006

Severity: Property Damage Only

6. Select the Export Data button to invoke the Export Data window.



7. Enter a file name, select the file type from the drop down, and select save. The exported file will be downloaded by default to the browser download folder.

Export Data

File name

.xlsx

File will be saved to the default browser download folder.

Save

Cancel

8. The user can then open the downloaded file, or save it to another location.

*****Please note that the content of the exported file will vary:**

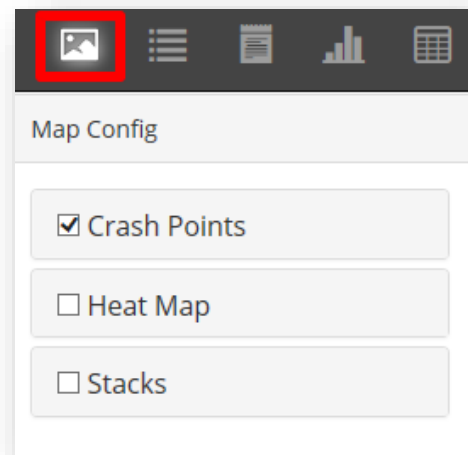
- Export data from the **collapsed Crash Data window** will contain: case #, Date, and severity.
- Export Data from the **expanded Crash Data Window** (when in Quick Mode) will contain: case #, Date, severity, time, law enforcement case #, county, city name, severity, and literal description.

- Export Data from the *expanded Crash Data Window when in the Advanced Mode* will contain: case #, Date, severity, time, law enforcement case #, county, city name, severity, literal description, day of the week, road system, Route, Cardinal, overpass/underpass, road classification, intersection class, damage amount, major cause, and 1st harmful event.

Map- Includes options for map configuration


The Map Configuration tool allows the user to choose how to display data within the map.

1. Select the Map icon.
2. Select one or more of the checkboxes to display the data points on the map as Crash Points, Heat Map, and/ or Stacks.
3. Hover over the data type title to underline it. Select the underlined title of the type of data display to expand options for the data display type.



Crash Points

Expanded Menu

☒ Crash Points 


Crash Symbol

Circle ▼


Crash Size

8


Crash Color

 ▼

Crash Opacity



Markups Opacity

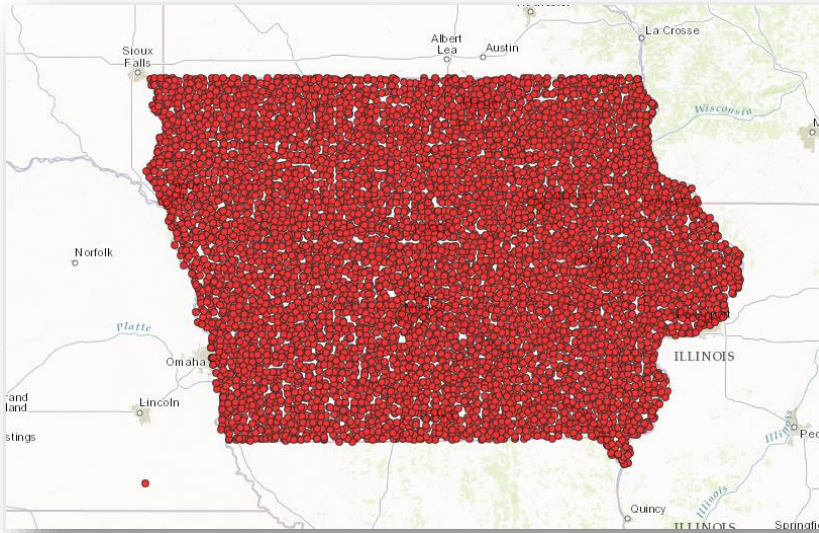


☐ Show non-selected crash locations

Apply

1. User can select crash symbol, crash size, and crash color.
2. User can also adjust Crash Opacity, and Markups Opacity.
3. Select the check box to 'Show non-selected crash locations.'
4. Apply selections by clicking the 'Apply' button.

Data Display



Crash data will display according to user selections.

Heat Map

Expanded Menu

1. User can adjust the intensity of the heat map visual by sliding the blue circle marker on the sliding scale marked Intensity.
2. Click the Apply button.

Map Configuration

☐ Crash Points

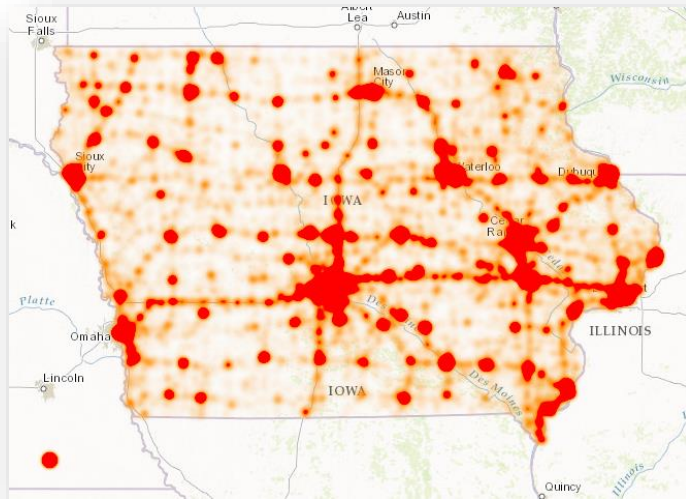
☒ Heat Map

Intensity

Apply

☐ Stacks

Data Display



Crash data will display according to user selections.

Stacks

Expanded Menu

Map Configuration

☐ Crash Points

☐ Heat Map

☒ Stacks

Stack Topic

Crash Severity

Stack Opacity

Stack Angle

Stack Length

Snap Distance

250 Feet

Apply

Stack Topic

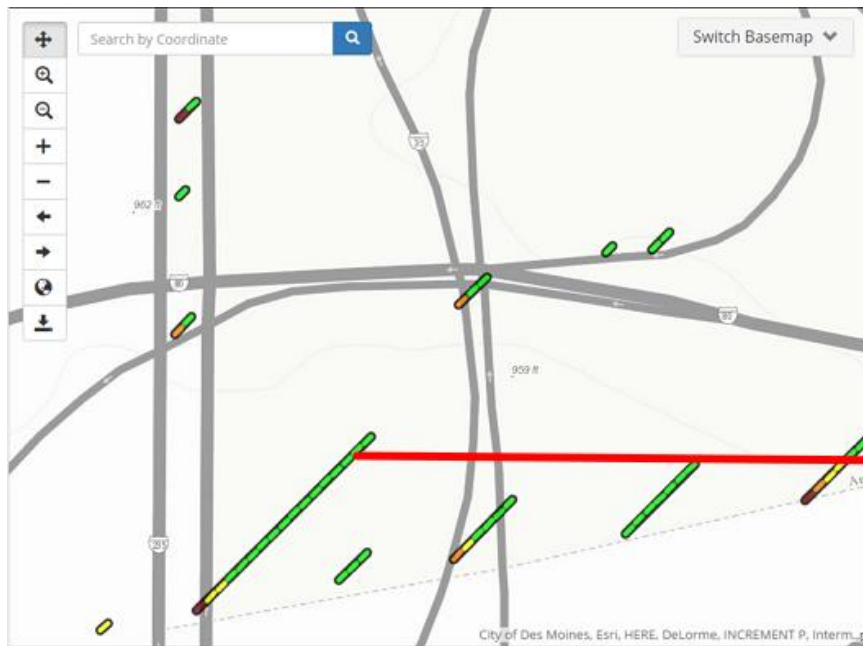
- Crash Severity
- Driver Gender
- Day of Week

1. Select the Stack Topic from the scroll down menu. Choose from Crash Severity, Driver Gender, or Day of the Week.
2. Designate the Stack Opacity, Stack Angle, and Stack Length by utilizing the sliding scale.
3. Select the Snap distance by entering a numerical value. Select the Unit of Measurement from the scroll down menu.
4. Select Apply.

5. Zoom in on desired portion of the map to view the stacks. System will not display Stacks until zoomed in. If user is not zoomed in adequately, system will display the following message across the bottom of the map:

Zoom in to view stacks.

Data Display



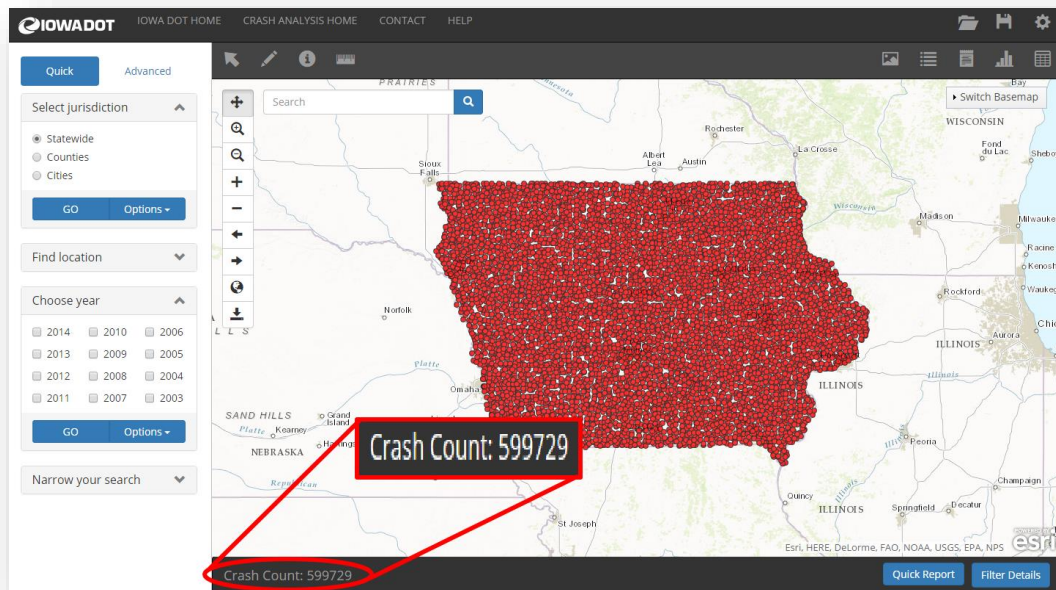
Hover your mouse cursor over any of the segments of the stack line to view specific crash point data result information.

Property Damage Only	
Fatal:	0
Major Injury:	1
Minor Injury:	0
Possible/Unknown:	2
Property Damage Only:	14

Crash Count- Provides crash count on all selected data points

Default View

Upon application launch, the Crash Count will display the total number of all crash count data entries.



Count based on user selections and filters

Actor views Crash count within any selection of filters by viewing the 'Crash Count' at the bottom left hand corner of the map. System will display crash count depending on filter selections.

Quick Report-

1. Utilize any method of finding or selecting desired crash data points.
2. Select the Quick Report button in the ribbon at the bottom right hand corner of the screen.



3. A separate browser window will open the Quick Report with predefined report categories.



Quick Report

SAVER
6/10/16
Page 1 of 4

Crash Incidence Summary

Fatal	43
Major Injury	187
Minor Injury	893
Possible/Unknown	2,009
Property Damage Only	8,710

11,842

Injury Status Summary

Fatal	49
Suspected serious/incapacitating	226
Suspected minor/non-incapacitating	1,110
Possible (complaint of pain/injury)	2,332
Unknown	342

4,059

Property Damage

Total:	74,045,947.00
Average:	6,252.82

Average Severity

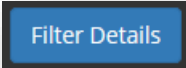
Fatalities/Fatal Crash	1.14
Fatalities/Crash	0.00
Injuries/Crash	0.31

Crash Criteria

Jurisdiction: Statewide
Year: 2016
Map Selection: No
Filter: None

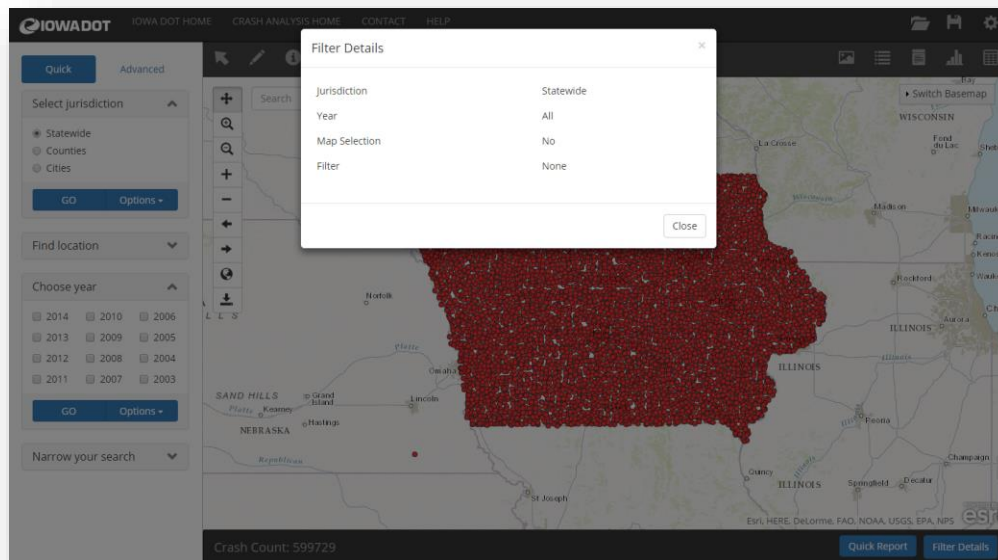
[Filter Details](#)-Tool that allows the user to view all filter settings currently being utilized.

1. Select the 'Filter Details' button in the bottom right corner of the screen.



Filter Details

2. System will display a window listing any and all filters being utilized in the current search.



Open- Open a previously saved project

Save- Save the current project

Preferences- Access setting preferences

1. Select the preferences icon at the top right hand corner of the screen

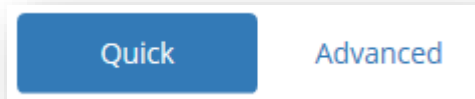


2. Check the boxes for 'Show North Arrow' and/or 'Show Tool Tips.'
3. Select 'OK' to apply the preferences only to the current session, or 'Save as Default' to retain user preferences throughout future sessions.
4. If selected, the North Arrow will now be present in the bottom left hand corner of the map and/or tooltips will be accessible by hovering cursor over a specific tool title.



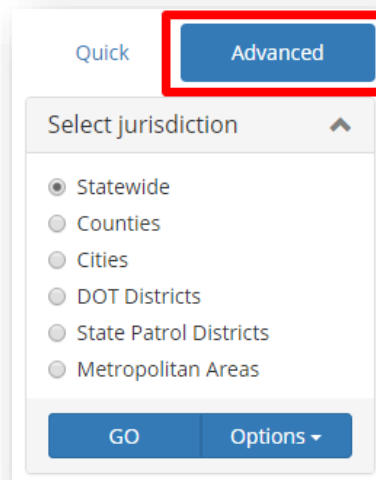
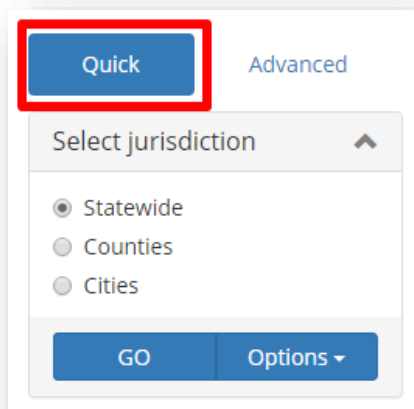
Mode- Tool to provide the option of performing a quick or advanced search

User selects Quick or Advanced. Quick is the default filter option. Advanced provides more extensive Filter options.



Select Jurisdiction- Filter data results based on jurisdiction selections

Click the 'Select Jurisdiction' scroll down menu arrow located on the left hand panel of the screen. The menu will vary depending on whether you are utilizing the 'Quick' or 'Advanced' mode.



Counties- Filter results by counties

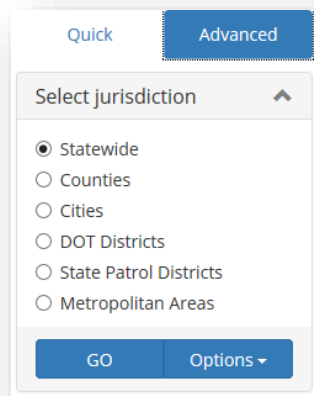
1. Click the 'Select Jurisdiction' scroll down menu arrow located on the left hand panel of the screen.
2. Select 'Counties' by clicking the corresponding circle. County option listing is invoked to the right of the jurisdiction menu.
3. Choose one or more counties from the list by checking their corresponding boxes. Select the Go button.

Cities- Filter results by cities

1. Click the 'Select Jurisdiction' scroll down menu arrow located on the left hand panel of the screen.
2. Select the 'Cities' category from the jurisdiction listing by clicking its corresponding circle. Cities option listing is invoked to the right of the jurisdiction menu.
3. Choose one or more cities from the list by checking their corresponding boxes. Select the Go button.

DOT Districts- Filter jurisdiction selections by DOT districts.

1. Select 'Advanced' as the mode of Filter.
2. Click the 'Select Jurisdiction' scroll down menu arrow located on the left hand panel of the screen.



3. Select the circle next to 'DOT Districts.'
4. All DOT District Options will be expanded.
5. Select one or more DOT Districts.
6. Select 'Go' to display crash data points existing within the selected options.

State Patrol Districts- Filter results by state patrol districts.

1. Select 'Advanced' as the mode of Filter.

2. Click the 'Select Jurisdiction' scroll down menu arrow located on the left hand panel of the screen.
3. Select the circle next to 'State Patrol Districts.'
4. All State Patrol District Options will be expanded.
5. Select one or more State Patrol Districts.
6. Select 'Go' to display crash data points existing within the selected options.

Metropolitan Areas- Filter jurisdiction selections by metropolitan areas.

1. Select 'Advanced' as the mode of Filter.
2. Click the 'Select Jurisdiction' scroll down menu arrow located on the left hand panel of the screen.
3. Select the circle next to 'Metropolitan Areas.'
4. All Metropolitan Area Options will be expanded.
5. Select one or more Metropolitan Areas.
6. Select 'Go' to display crash data points existing within the selected options.

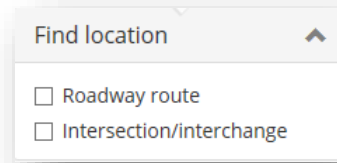
Save as Default- Save jurisdiction selections and make them the default launch settings.

Load Default- Load previously saved jurisdiction selections.

Clear Default- Clear default jurisdiction selections.

Find Location- Provide data results filtered by location type

Select Roadway route checkbox, and/or intersection/interchange checkbox to display only the crash points that fit those criterion.



Find location

☐ Roadway route

☐ Intersection/interchange

Roadway route: Filter crashes by roadway route

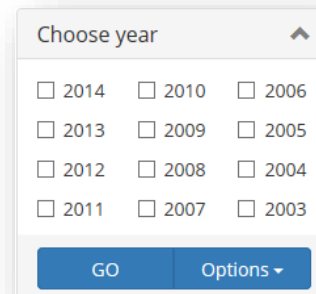
Select the checkbox next to 'Roadway Route' to display only those data results.

Intersection/interchange: Filter crashes by Intersection/Interchange

Select the checkbox next to 'Intersection/Interchange' to display only those data results.

Choose Year- Filter data by selected years

1. Click the 'Choose Year' scroll down menu arrow located on the left hand panel of the screen.



Choose year

<input type="checkbox"/> 2014	<input type="checkbox"/> 2010	<input type="checkbox"/> 2006
<input type="checkbox"/> 2013	<input type="checkbox"/> 2009	<input type="checkbox"/> 2005
<input type="checkbox"/> 2012	<input type="checkbox"/> 2008	<input type="checkbox"/> 2004
<input type="checkbox"/> 2011	<input type="checkbox"/> 2007	<input type="checkbox"/> 2003

GO Options ▾

2. Select one or more years and select the 'Go' button to return results for those years.

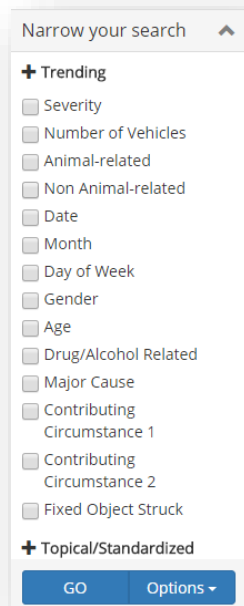
Save as Default- Save year selections as a default setting

Load Default- Load default year selections

Clear Default- Clear default year selections

Narrow Your Search- Filter data by a variety of settings

1. Select the Narrow your Search menu arrow from the jurisdiction panel to view all additional filter options.



2. Choose to expand any of the following categories by clicking on their title: Trending, Topical, Crash, Date Time, Driver Action, Driver Characteristics, Environmental, Injured Person, Non-Motorist, Roadway, Severity, and Vehicles.

******Please note that some of these categories are only visible when in the Advanced Mode******

Trending Filters- Options to filter results by most frequently used filter parameters

1. Select the '+' symbol to expand the trending category.
2. Most popular search options will be expanded.
3. Select check boxes next to the options that results will be filtered by.

Topical Filters- Provides options to filter data by predefined filter parameters

Heavy Truck Involved: Filter crash results that involved a heavy truck

Select the check box for Heavy Truck Involved. System displays only crash data that contains relevant data.

Impairment: Filter crash results that involved driver impairment

Select the check box for Impairment. System displays only crash data that contains relevant data.

Inattentive Distracted: Filter crash results that involved an inattentive, or distracted driver

Select the check box for Inattentive Distracted. System displays only crash data that contains relevant data.

Intersection Related: Filter crash results that are related to the crash intersection

Select the check box for Intersection Related. System displays only crash data that contains relevant data.

Multiple Fatality: Filter crash results that involve multiple fatalities

Select the check box for Multiple Fatality. System displays only crash data that contains relevant data.

Speed Related: Filter crash results that involved speeding

Select the check box for Speed Related. System displays only crash data that contains relevant data.

Older Driver: Filter crash results that involved a driver over the age of 65

Select the check box for Older Driver. System displays only crash data that contains relevant data.

Younger Driver: Filter crash results that involved a driver between the ages of 14 and 20.

Select the check box for Younger Driver. System displays only crash data that contains relevant data.

Motorcycle: Filter crashes involving a motorcycle

Select the check box for Motorcycle. System displays only crash data that contains relevant data.

Ran Traffic Signal: Filter crashes that involved running a traffic signal

Select the check box for Ran Traffic Signal. System displays only crash data that contains relevant data.

Ran Stop Sign: Filter crashes that involved running a stop sign

Select the check box for Ran Stop Sign. System displays only crash data that contains relevant data.

Pedacycle Involved: Filter crashes involving a peda-cycle

Select the check box for Pedacycle Involved. System displays only crash data that contains relevant data.

Pedestrian Involved: Filter crashes involving a pedestrian

Select the check box for Pedestrian Involved. System displays only crash data that contains relevant data.

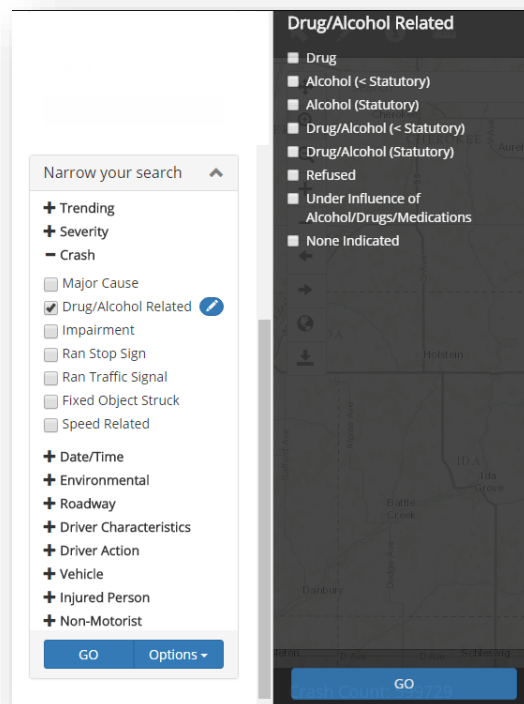
Unprotected Injured Person Involved: Filter crashes involving an unprotected injured person

Select the check box for Unprotected Injured Person Involved. System displays only crash data that contains relevant data.

Crash- Filter results by crash type

Drug Alcohol Related: Filter results by crashes that were drug and or alcohol related

1. Select the checkbox for Drug Alcohol Related.
2. Filter options will be expanded. Choose one or more of the filter options.



3. Select Go.
4. Only relevant crash data results will be displayed.

Fixed Object Struck: Filter results by crashes in which a fixed object was struck

1. Select the checkbox for Fixed Object Struck.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.
4. Only relevant crash data results will be displayed.

Major cause: Filter crashes by major cause

1. Select the checkbox for Major Cause.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.

4. Only relevant crash data results will be displayed.

Impairment: Filter crashes by Impairment

Select the check box for Impairment. System displays only crash data that contains relevant data.

Ran Stop Sign: Filter crashes that involved running a stop sign

Select the check box for Ran Stop Sign. System displays only crash data that contains relevant data.

Ran Traffic Signal: Filter crashes that involved running a traffic signal

Select the check box for Ran Traffic Signal. System displays only crash data that contains relevant data.

Speed Related: Filter crashes that involved speeding

Select the check box for Speed Related. System displays only crash data that contains relevant data.

Date Time Filters- Filter results by date, day of the week, or month**Date: Filter crashes by date**

1. Select the checkbox for Date.
2. Filter options will be expanded.
3. User can manually enter a date in the text box, or select one using the calendar icon.
4. User can search using a date range: Check the box for 'Filter Using Range,' manually enter a date range, or enter a range using the calendar icon.
5. Select Go.
6. Only relevant crash data results will be displayed.

Day of the Week: Filter crashes by day of the week

1. Select the checkbox for Day of the Week.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.
4. Only relevant crash data results will be displayed.

Month: Filter crashes by month

1. Select the checkbox for Month.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.

4. Only relevant crash data results will be displayed.

Driver Action

Contributing Circumstances 1: Filter crash by specific contributing circumstances

1. Select the checkbox for Contributing Circumstances 1.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.
4. Only relevant crash data results will be displayed.

Inattentive: Filter crashes that involved an inattentive driver

Select the check box for Inattentive. System displays only crash data that contains relevant data.

Driver Characteristics- Filter results by attributes of the driver

Age: Filter crashes by age

1. Select the checkbox for Age.
2. Filter options will be expanded.
3. Enter the age in the text box.
4. Check the box for 'Filter using Range' to filter by age range. Enter the ages in the two text boxes.
5. Select Go.
6. Only relevant crash data results will be displayed.

Gender: Filter crash by specific contributing circumstances

1. Select the checkbox for Gender.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.
4. Only relevant crash data results will be displayed.

Older Driver: Filter crashes that involved older drivers

Select the check box for Ran Traffic Signal. System displays only crash data that contains relevant data.

Younger Driver: Filter crashes that involved younger drivers

Select the check box for Ran Traffic Signal. System displays only crash data that contains relevant data.

Environmental

Animal Related: Filter crash results that are animal related

Select the check box for Animal Related. System displays only crash data that contains animal related data.

Non-animal Related: Filter crash results that were non-animal related

Select the check box for Non-Animal Related. System displays only crash data that contains relevant data.

Injured Person

Unprotected Injured Person Involved: Filter crashes by those involving an unprotected injured person

Select the check box for Unprotected Injured Person Involved. System displays only crash data that contains relevant data.

Non-Motorist

Pedacycle Involved: Filter crashes by those involving a Pedacycle

Select the check box for Pedacycle Involved. System displays only crash data that contains relevant data.

Pedestrian Involved: Filter crashes by those involving a pedestrian

Select the check box for Pedestrian Involved. System displays only crash data that contains relevant data.

Roadway

Intersection Related: Filter crashes by those occurring at intersections

Select the check box for Intersection Related. System displays only crash data that contains relevant data.

Severity Filters- Provides options to filter data with

Severity: Filter crashes by severity

1. Select the checkbox for Severity.
2. Filter options will be expanded. Choose one or more of the filter options.
3. Select Go.
4. Only relevant crash data results will be displayed.

Multiple Fatality: Filter crashes by those involving multiple fatalities

Select the check box for Multiple Fatality. System displays only crash data that contains relevant data.

Vehicle

Number of vehicles: Filter crashes by the number of vehicles involved

1. Select the checkbox for Number of Vehicles.
2. Filter options will be expanded.
3. Enter the number of vehicles in the text box.
4. Check the box for 'Filter using Range' to filter by a range of numbers. Enter the numbers in the two text boxes.
5. Select Go.
6. Only relevant crash data results will be displayed.

Heavy Truck Involved: Filter crashes by those involving heavy trucks

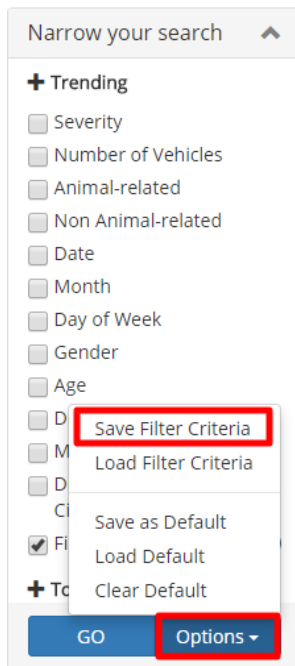
Select the check box for Heavy Truck Involved. System displays only crash data that contains relevant data.

Motorcycle Involved: Filter crashes by those involving motorcycles

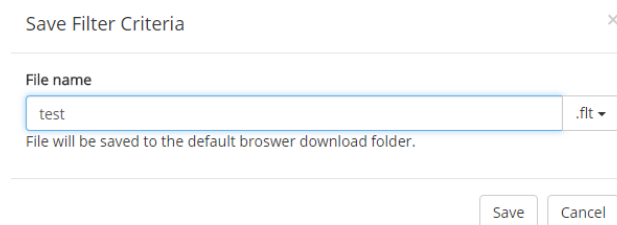
Select the check box for Motorcycle Involved. System displays only crash data that contains relevant data.

Save Filter Criteria: Save filter selections as an external file

After designating Filter parameters by checking any number of boxes, the user can save the Filter Criteria as an external file.

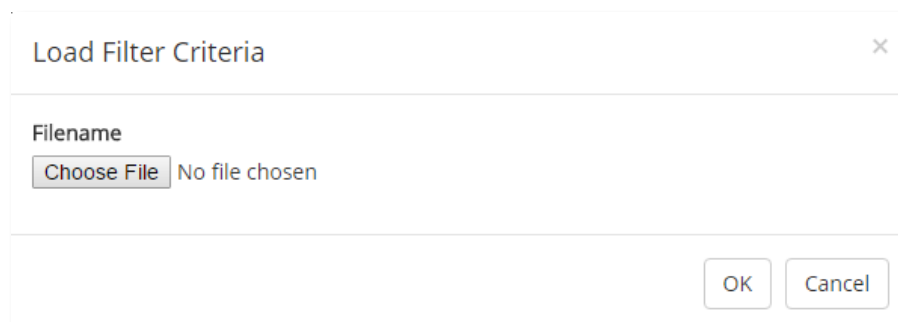


1. Select the Options button at the bottom right corner of the Narrow Your Search Menu.
2. Select Save Filter Criteria. The Save Filter Criteria window will open.
3. Enter the file name and selects 'Save.'



Load Filter Criteria: Load previously saved filter selections from an external file

1. Select the Options button at the bottom right corner of the Narrow Your Search Menu.
2. Select Load Filter Criteria. The Load Filter Criteria window will open.



3. Select 'Choose File.'
4. Browse to locate the Filter Criteria file that you wish to load. Select Open.

5. When returned to the Load Filter Criteria window, select the 'OK' button. Filter Criteria will be loaded, and corresponding Data will populate the map.

Save as Default: Save filter selections as default

Load Default: Load default filter selections

Clear Default: Clear default filter selections

Highlighted Items = Not yet Implemented